

What is claimed is:

1. A method of making an electroluminescent device comprising:
selectively thermally transferring a portion of a transfer layer comprising a first emitter to a receptor to form a patterned emitter layer comprising the first emitter disposed on the receptor; and
disposing a layer comprising a second emitter on the patterned emitter layer and the receptor to form a non-patterned emitter layer comprising the second emitter.
2. The method of claim 1 further comprising selectively thermally transferring, prior to forming the non-patterned emitter layer, a portion of a second transfer layer comprising a third emitter to the receptor to form a second patterned emitter layer comprising the third emitter, disposed on the receptor.
3. The method of claim 1 wherein the receptor is an anode, a hole transport layer, a hole injection layer, an electron blocking layer, a dielectric layer, a passivation layer, a substrate, or a combination thereof.
4. The method of claim 1 wherein the non-patterned emitter layer is an undoped electron transport layer, a doped electron transport layer, an undoped hole blocking layer, a doped hole blocking layer, or a combination thereof.
5. The method of claim 1 wherein the receptor is a hole transport layer and is attached to an anode.
6. The method of claim 5 wherein the device further comprises a hole injection layer disposed between the hole transport layer and the anode.
7. The method of claim 1 further comprising disposing a cathode on the non-patterned emitter layer.

8. The method of claim 1 wherein the receptor is solvent-susceptible.
 9. A method of making an electroluminescent device comprising:
providing a non-patterned layer comprising a first emitter; and
selectively thermally transferring a portion of a transfer layer comprising a second emitter to the non-patterned emitter layer to form a patterned emitter layer comprising the second emitter, disposed on the non-patterned emitter layer.
 10. The method of claim 9 further comprising selectively thermally transferring a portion of a second transfer layer comprising a third emitter to the non-patterned emitter layer to form a second patterned emitter layer comprising the third emitter, disposed on the non-patterned emitter layer.
 11. The method of claim 9 wherein the non-patterned emitter layer is an undoped electron transport layer, a doped electron transport layer, an undoped hole blocking layer, a doped hole blocking layer, an undoped electron injecting layer, a doped electron injecting layer, or a combination thereof.
 12. The method of claim 9 further comprising disposing an anode on the patterned emitter layer and the non-patterned emitter layer.
 13. The method of claim 12 wherein the device further comprises a hole transport layer, a hole injection layer, an electron blocking layer, or a combination thereof, disposed between the patterned emitter layer and the anode.
 14. The method of claim 9 wherein the side of the non-patterned emitter layer opposite the patterned emitter layer is attached to a cathode.
 15. The method of claim 9 wherein the non-patterned emitter layer is solvent-susceptible.
 16. A method of making an electroluminescent device comprising:
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providing a solvent-susceptible layer;

disposing a patterned layer comprising a first emitter and a non-volatile component that is the same as or different than the first emitter on the solvent-susceptible layer; and

disposing a layer comprising a second emitter on the patterned layer and the solvent-susceptible layer to form a non-patterned emitter layer comprising the second emitter.

17. The method of claim 16 wherein disposing the patterned layer comprises selectively thermally transferring a portion of a transfer layer comprising the first emitter and the non-volatile component.

18. The method of claim 16 further comprising, prior to forming the non-patterned emitter layer, disposing a second patterned layer comprising a third emitter on the solvent-susceptible layer.

19. The method of claim 18 wherein disposing the second patterned layer comprises selectively thermally transferring a portion of a second transfer layer comprising the third emitter.

20. The method of claim 19 wherein the second transfer layer further comprises a non-volatile component.

21. A method of making an electroluminescent device comprising:

providing a solvent-susceptible, non-patterned layer comprising a first emitter; and

disposing a patterned layer comprising a second emitter and a non-volatile component that is the same as or different than the second emitter, on the solvent-susceptible layer.

22. The method of claim 21 wherein disposing the patterned layer comprises selectively thermally transferring a portion of a transfer layer comprising the second emitter and the non-volatile component.
23. The method of claim 21 further comprising disposing a second patterned layer comprising a third emitter on the solvent-susceptible layer.
24. The method of claim 23 wherein disposing the second patterned layer comprises selectively thermally transferring a portion of a second transfer layer comprising the third emitter.
25. The method of claim 24 wherein the second transfer layer further comprises a non-volatile component.
26. An electroluminescent device comprising:
a solvent-susceptible layer;
a patterned layer on the solvent-susceptible layer, wherein the patterned layer comprises a first emitter and a non-volatile component that is the same as or different than the first emitter; and
a non-patterned layer comprising a second emitter, disposed on the patterned emitter layer and the solvent susceptible layer.
27. The device of claim 26 wherein the patterned layer further comprises a third emitter.
28. The device of claim 26 further comprising a second patterned layer disposed on the solvent-susceptible layer, wherein the second patterned layer comprises a third emitter.
29. The device of claim 26 wherein the solvent-susceptible layer is a hole transport layer, a hole injection layer, an electron blocking layer, a dielectric layer, a passivation layer, or a combination thereof.
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30. The device of claim 26 wherein the non-patterned emitter layer is an undoped electron transport layer, a doped electron transport layer, an undoped hole blocking layer, a doped hole blocking layer, an undoped electron injecting layer, a doped electron injecting layer, or a combination thereof.

31. The device of claim 26 further comprising an anode attached to the solvent-susceptible layer.

32. The device of claim 31 further comprising a cathode attached to the non-patterned emitter layer.

33. The device of claim 31 further comprising a hole injection layer, an electron blocking layer, or a combination thereof disposed between the anode and the solvent-susceptible layer.

34. The device of claim 32 wherein the cathode is opaque, the anode is transparent, and the device is operable to emit light through the transparent anode.

35. The device of claim 32 wherein the cathode is transparent, the anode is opaque, and the device is operable to emit light through the transparent cathode.

36. The device of claim 32 wherein the cathode is transparent, the device further comprises an opaque substrate attached to the anode, and the device is operable to emit light through the transparent cathode.

37. The device of claim 32 wherein the cathode is transparent, the anode is transparent, and the device is operable to emit light through the transparent cathode and the transparent anode.

38. The device of claim 26 wherein the non-patterned emitter layer is solvent-susceptible.
39. A method of generating light comprising:
providing an electroluminescent device according to claim 32; and
providing a signal to the anode and the cathode, wherein the signal is operable to address an emitter, following which the emitter emits light.
40. The method of claim 39 wherein the device is an active or passive addressed device.
41. The method of claim 39 wherein the device is a full color display or tunable lighting device.